

Message

From: Jones, Russell [Jones.Russell@epa.gov]
Sent: 5/16/2018 3:53:43 PM
To: Schulze, Chad [Schulze.Chad@epa.gov]
Subject: RE: Plant Biostimulant Guidance- INTERNAL EPA REVIEW ONLY- Need Comments by 4/5/10
Attachments: image001.jpg; image002.jpg

Chad.

Thanks for the input. I will send it up the line to my management.

Russ J

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From: Schulze, Chad
Sent: Wednesday, May 16, 2018 11:37 AM
To: Jones, Russell
Subject: FW: Plant Biostimulant Guidance- INTERNAL EPA REVIEW ONLY- Need Comments by 4/5/10

Hi Russ!

Hey, I was using your incredibly helpful Guidance doc on Plant Biostimulants (again) and just notice Table 3 (Plant Regulator Active Ingredients) did not make it in the final draft ... This table has been very helpful and, for what it's worth, Region 10 would like to see it in the Final.

Table 3. Plant Regulator Active Ingredients Contained in EPA-Registered Products Having Modes of Action that Trigger Regulation Under FIFRA as a Pesticide 1, 2, 3

* Absciscic Acid (ABA)
* gamma-Aminobutyric Acid (GABA)
* 6-Benzyladenine (6-aminopurine; a cytokinin)
* Chitin and Chitosan 4
* Choline
* Complex Polymeric Polyhydroxy Acids (including Humic acid, fulvic acid, tannins; & organic acids from Leonardite) 5
* Corn glutens/Corn gluten meal
* Cytokinins (as all isopentenyladenine and zeatin derivatives) 6
* Cytokinin (as kinetin)
* Ethylene
* Gibberellic Acid A3 (GA3)
* Gibberellic Acid A4/ A7 (GA4+7)
* L-Glutamic Acid
* Harpin proteins 4
* Homobrassinolide
* Indole-3 Acetic Acid (IAA)
* Indole-3-Butyric Acid (IBA)
* Jasmonates (includes all derivatives of jasmonic acid) 4
* Lysophosphatidylethanolamine (LPE)
* Laminarin
* 1-Octanol
* Potassium silicate 4
* Saccharomyces cerevisiae extract (Brewer's Yeast extract) 4
* Salicylic Acid 4
* Seaweed Extracts 7
* Sodium o-nitrophenolate
* Sodium p-nitrophenolate
* Sodium guaiacolate

- 1 Some EPA-registered microbial pesticides are registered as plant regulators or have plant regulator claims listed on their product labels
- 2 Includes Biochemical and Microbial Induced Resistance Promoters
- 3 This list only includes naturally-occurring plant regulators contained in EPA-registered products; it does not include substances under review by the Agency or known plant regulators for which no products have been proposed, but that may have plant regulator activity
- 4 EPA-registered Induced Resistance Promoter
- 5 Foliar applications only, soil applications may be excluded as a soil amendment in the absence of any pesticidal claims (including plant regulator claims)
- 6 Isopentenyladenine derivatives are typically produced by microbes; zeatin derivatives are typically produced by plants
- 7 Seaweed extracts (SWE) are heterogenous mixtures of naturally-occurring plant regulators (Battacharyya et. al., 2015; Craigle, 2011; Stirk and Tarkowska, 2003; Stirk et. al., 2014); products containing active ingredients derived from SWE have been registered by the Agency as plant regulator products (see Appendix II)

Sorry for the late comment but since I haven't seen the final guidance, I thought I'd send this to you.

Thanks!

Sincerely,
Chad

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From: Hopkins, Yvette
Sent: Thursday, March 15, 2018 8:12 AM
To: FIFRA Regional Supervisors <FIFRA_Regional_Supervisors@epa.gov>; FIFRA Regional Contacts <FIFRA_Regional_Contacts@epa.gov>
Cc: Jones, Russell <Jones.Russell@epa.gov>; McNally, Robert <McNally.Robert@epa.gov>
Subject: Plant Biostimulant Guidance- INTERNAL EPA REVIEW ONLY- Need Comments by 4/5/10

Colleagues,
Attached is the most recent version of the Plant Biostimulant Guidance from BPPD. Please provide your responses to Russel Jones by Thursday, April, 5, 2018, and please do NOT share with our co-regulators or others. Russ's contact information is below if you have additional questions.

Yvette
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